

CHRISTER G. JANSSON



Research and Professional Experience:

Senior Staff Scientist, Earth Sciences Division, Lawrence Berkeley Lab, Berkeley, USA, 2008-present

Deputy Program Lead – Bioenergy, Earth Sciences Division, Lawrence Berkeley Lab, 2011-present

Head of Department, Dept. of Plant Biology & Forest Genetics, Swedish University of Agricultural Sciences, Uppsala, Sweden, 2005 - 2007

- Deputy Head of Dept., 2004 - 2005

- Professor/Chair in Molecular Cell Biology, 1999-2008

Professor in Biochemistry, Dept. of Biochemistry, Stockholm University, 1994-99

Associate Professor in Biochemistry, Dept. of Biochemistry, Stockholm University, 1990-94

Assistant Professor in Biochemistry, Dept. of Biochemistry, Stockholm University, 1987-1990

Education and Training:

Lund University, Sweden: B.S. (Biochemistry/Microbiology) 1974-1978

Lund University, Sweden: Ph.D. (Biochemistry) 1978-1984

Michigan State University, East Lansing, MI: Postdoc. Fellow (molecular microbiology) 1984-1986

Research expertise:

Plant and cyanobacterial biochemistry, molecular biology, and biotechnology. Specific areas of interest are carbohydrate and lipid metabolism, photosynthesis, cereal biology, bioengineering of plants and cyanobacteria for biofuel synthesis and carbon sequestration.

Scientific output:

101 accepted articles in journals or books (as of May, 2011).

Invited and participated in a large number of international and national conferences and meetings.

10 Ph.D. students have graduated in my group since 1992.

Synergistic Activities

- Scientific Advisor to the bioenergy company Sequestro Inc., San Francisco.
- Participating in DOE review panels for proposals in the area of carbon sequestration
- Member of the Evaluation Committee for Energy, The Swedish Research Council, 2003-2004
- Member of the Evaluation Committee for Organism Biology, The Swedish Research Council, 2001-2007
- Member of the Committee for Molecular Biology & Biochemistry at The Swedish Royal Academy of Sciences (KVA), 1999-2005.
- Scientific advisor to the Royal Swedish Academy of Science (KVA) for publications in the area of genetically engineered plants and microorganisms.
- Reviewer of submitted manuscripts, grant applications and career appointments.
- Appointed opponent for five Doctoral Thesis defenses in Sweden and abroad.
- BioScience article on carbon sequestration (2010) discussed in Scientific American, Voice of America, and other media.
- Research presentation for Prime Minister Göran Persson during his visit to SLU-Uppsala in April 2005.
- Description of our research in the magazine "SvD:s section on Research & Trade", June 7, 2004.

- Participated in a debate on Plant Gene Technology at the Technical Museum, Stockholm, April 24, 2003.
- Participated in a debate on Plant Gene Technology at Scandic Hotel Continental, Stockholm, April 11, 2003.
- Presentation of our research to the Minister of Agriculture Ann-Christine Nyqvist, March 28, 2003.
- Presentation of our research to the Governor of Uppland Anders Björk). March 18, 2003.
- Description of our research in the daily magazine “Uppsala Nya Tidningar”, February 17, 2003.
- Interview in radio (“Vetenskapens värld”), January 28, 2002.
- Full-page description of our research in the daily magazine “Dagens Nyheter”, December 11, 2001.
- Presentation of our research for His Majesty the King of Sweden during his visit to SLU-Uppsala in May 2000.
- Participated in a TV debate on Plant Gene Technology (TV program “E-fekt”, November, 1999).
- A vast number of lectures and seminars in the field of Plant Gene Technology at various companies, exhibitions, universities and schools.

Teaching experience:

I have a solid teaching expertise in Biochemistry, Cell Biology, Photosynthesis, and Plant Gene Technology. I was Director of Undergraduate Studies in Biochemistry at Stockholm University 1992-1999. During the same time, I was the responsible and main lecturer in Biochemistry with around two 10-week courses per year, and also developed course material and on-line classes in Biochemistry. I was nominated for the “Teacher of the Year” award at Stockholm University 1997, 1996, and 1994. At SLU, Uppsala, I was the responsible and main lecturer in Cell Biology with one 10-week course per year, and Photosynthesis and Plant Gene Technology with around 8 classes per year. I was Director of Undergraduate Studies at the Department during 1999-2004.